

MX12P 1/2" flowmeter series



1/2" Oval gear flow meter designed for Industrial Process applications.

- Stainless Steel construction
- Max flow rate 30 LPM / 8 GPM
- Temperature up to 80°C for Ryton (PPS) Rotors, up to 150°C for Stainless Steel Rotors
- Accuracy 0.5% Pulse
- Available with BSP or NPT process connections
- Suitable for high viscosity fluids

Materials of Construction

Meter Body	Stainless Steel
Rotor	PPS (Ryton) * Standard option
	Stainless Steel * High Temp option
	Stainless Steel * High viscosity option - fluids >1000cps
Seals	FEP (Teflon®)

Display and Output Options

Standard	Pulse Output	1x Reed/1x Hall Effect
Ex ia	Pulse Output	NPN open collector approved Exia
Ex d	Pulse Output	NPN open collector approved Exd
High Temp	Pulse Output	NPN open collector. Suitable for 150°C
PR	LC display (12mm)	Display Only
PRA	LC display (12mm)	Scaled Pulse, 4-20mA and Hi/Lo Flow Alarm
ER	LC display (17mm)	Display Only
ERA	LC display (17mm)	Scaled Pulse, 4-20mA output (passive)
ERS	LC display (17mm)	Net Use Function - input A-B (remote mount only)

Technical Specifications

Flow Rate	<5cps	>5cps	
	3-25 L/min	2-30 L/min	
	PPS (Ryton) rotor	High Temp rotor	High Viscosity rotor
Temperature	-40 - 80°C	-40 - 150°C	-40 - 150°C
Pressure	2,000 psi		
Accuracy	+/- 0.5%		
Repeatability	+/- 0.03%		
Nominal K-Factor	112 pulses per ltr		

Design Specifications

Process Connections	Threaded
	1/2" BSP
	1/2" NPT

Accessories

- Stainless Steel Y Strainer - 250 micron (60 mesh)
- Service/repair kits available upon request